

ABSTRACT OF THE DISCLOSURE

A reconfigurable secure keyboard console receives an encryption key and at least one transformation instruction. The reconfigurable secure keyboard console stores the encryption key in a reconfigurable first memory. The reconfigurable secure keyboard console stores the at least one transformation instruction in a reconfigurable second memory. A keyboard processor utilizes the at least one transformation instruction to create a plurality of transformed codes. The plurality of transformed codes along with a plurality of values corresponding to each of the plurality of potential keyboard inputs are both stored in a transformed lookup table. The keyboard processor receives an actual keyboard input. The keyboard processor matches the actual keyboard input with one of the plurality of the potential keyboard inputs to create a matching value. The keyboard processor outputs a transformed code from the transformed lookup table corresponding to the matching value.